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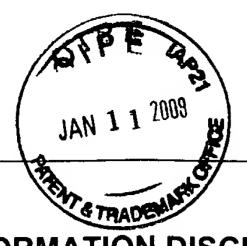
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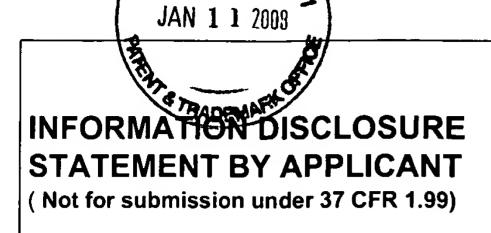
Application Number		08978633	
Filing Date		1997-11-25	
First Named Inventor Rabba		pani	
Art Unit		1635	
Examiner Name	J. An	gell	
Attorney Docket Number		Enz-53-D1	

	U.S.PATENTS								
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			
	1	6538107		2003-03-25	Hinuma				
	2	5827935		1998-10-27	Rossi				
	3	5821046		1998-10-13	Karn				
	4	5854038		1998-12-29	Sullenger				
	5	5736387		1998-04-07	Paul				
	6	5734039		1998-03-31	Calabretta				
	7	5712384		1998-01-27	Symonds				
	8	5693463		1997-12-02	Edwards				



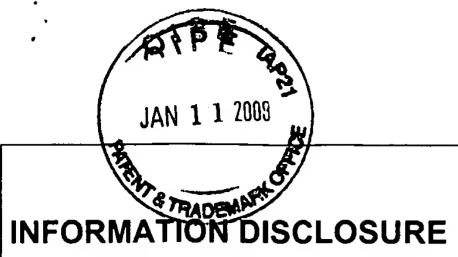
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9	5648243	1997-07-15	Hurwitz	
10	5646032	1997-07-08	ter Meulen	
11	5633152	1997-05-27	McKnight	
12	5610067	1997-03-11	Saito	
13	5604118	1997-02-18	Giri	
14	5591601	1997-01-07	Wagner	
15	5587308	1996-12-24	Carter	
16	5583020	1996-12-10	Sullivan	
17	5574142	1996-11-12	Meyer	
18	5547932	1996-08-20	Curiel	
19	5521291	1996-05-28	Curiel	



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	20	5480792	1996-01-02	Buechler
	21	5413999	1995-05-09	Vacca
	22	5288609	1994-02-22	Engelhardt
	23	5241060	1993-08-31	Engelhardt
	24	5166320	1992-11-24	Wu
,	25	5128256	1992-07-07	Huse
	26	4843122	1989-06-27	Stavrianopoulos
	27	4716112	1987-12-29	Panayotatos
	28	4711955	1987-12-08	Ward
	29	4795706	1989-01-03	Hsiung
	30	4707440	1987-11-17	Stavrianopoulos



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	31	4687732		1987-08	3-18	Ward				
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Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>		Kind Code4	Publication Date	Name of Patente Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	   T5
	1	WO9532225				1995-11-30	Bushman			
	2	WO9531566				1995-11-23	Jolly			
	3	WO9528494				1995-10-26	Overell			
	4	WO9526200		1		1995-10-05	Williams	,		
	5	WO9519428				1995-07-20	Mason			



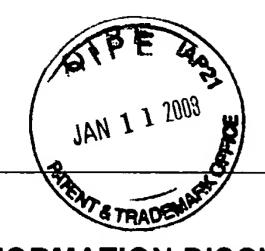
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	6	WO9508635			1995-03-30	Craig					
	7	WO9506129			1995-03-02	Craig	•				
	8	WO9420079	·		1994-09-15	Livi					
	9	EP0547920			1993-06-23	Comb					
	10	EP0285057			1988-10-05	Engelhardt					
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Examiner Initials*	Cite No		nal, serial, symp	osium,	catalog, etc), o	the article (when approp date, pages(s), volume-is	-	<b>T</b> 5			
	1	VERMA et al. "Gene therapy promises, problems and prospects" Nature 389: 239-242. 1997									
	2	FISHER "Neural precurs Disease 4: 1-22. 1997	FISHER "Neural precursor cells: applications for the study and repair of the central nervous system" Neurobiology of Disease 4: 1-22. 1997								
	3	DATTA et al. "Mitotic cro Saccaromyces cerevisia				e regulated by mismatch rep	pair proteins in				



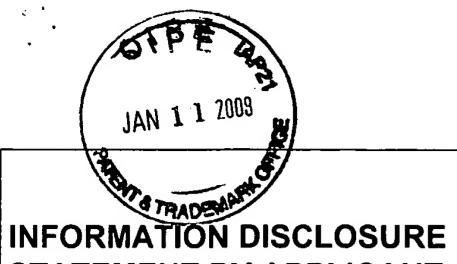
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Attorney Docket Numb	er	Enz-53-D1	

4	WANG et al., "Delivery of antisense oligodeoxyribonucleotides against the human epidermal growth factor receptor into cultured KB cells with liposomes conjugated to folate via polyethylene glycol" Proc. Natl. Acad. Sci. USA 92: 3318-3322. 1995	
5	THIMME et al., "Mx1 but not MxA confers resistance against tick-borne Dhori virus in mice" Virology 211: 296-301. 1995	
6	SUN et al. "Resistance to human immunodeficiency virus type 1 infection conferred by transdution of human peripheral blood lymphocytes with ribozyme, antisense, or polymeric trans-activation response element constructs" Proc. Natl. Acad. Sci. USA 92: 7272-7276. 1995	
7	ROSSI, "Controlled, targeted, intracellular expression of ribozymes: progress and problems" Trends Biotechnol. 13: 301-306. 1995	
8	RAMIREZ et al., "Transcriptional inhibition of the Parvovirus Minute virus of mice by constitutive expression of an antisense RNA targeted against the NS-1 transactivator protein" Virology 206: 57-68. 1995	
9	PARDRIDGE et al., "Vector-Mediated delivery of a polyamide ("peptide") nucleic acid analogue through the blood- brain barrier in vivo" Proc. Natl. Acad. Sci. USA 92: 5592-5596. 1995	
10	MILLER et al. "Targeted vectors for gene therapy" FASEB J. 9: 190-199. 1995	
11	MICHAEL et al., "Signal sequences that target nuclear import and nuclear export of pre-mRNA binding proteins" Cold Spring Harbor Symposia on Quantitative Biology 60: 663-668. 1995	
12	LIMJOCO et al. " Resistance to retroviral infection in transgenic and bone marrow chimeric mice contaiing Fv4-env-expression hematopoietic cells" Virology 208: 75-83. 1995	
13	LEVER "Gene therapy for HIV infection" British Medical Bulletin 51: 149-166. 1995	
14	LAU et al. "Retroviral gene transfer into the intestinal epitheLAU et al. "Retroviral gene transfer into the intestinal epithelium" Hum Gene Ther. 6: 1145-1151. 1995	



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15	BINKLEY et al. "RNA ligands to human nerve growth factor" Nucleic Acids Res. 23: 3198-3205. 1995	
16	ALLY et al. "Prevention of autoimmune disease by retroviral-mediated gene therapy" J. Immunol. 155: 5404-5408. 1995	
17	AGRAWAL et al. "Absorption, tissue distribution and in vivo stability in rates of a hybrid antisense oligonucleotide following oral administration" Biochem. Pharmacol. 50: 571-576. 1995	
18	AFIONE et al., "Gene therapy vectors as drug delivery system" Clin. Pharmacokinet. 28: 181-189. 1995	
19	ZHOU et al. "Inhibition of HIV-1 in human T-lymphocytes by retrovirally transduced anti-tat and rev hammerhead ribozymes" Gene 149: 33-39. 1994	
20	YU et al. "Progress towards gene therapy for HIV infection" Gene Therapy 1: 13-16 1994	
21	VIEILLARD et al. "Blocking of rteroviral infection at a step prior to reverse transcription in cells transformed to constitutively express interferon beta" Proc. Natl. Acad. Sci. USA 91: 2689-2693 1994	
22	NICHOLS et al. "A universal nucleoside for use at ambiguous sites in DNA primers" Nature 369; 492-493. 1994	
23	MCBRIDE et al., "Controlled expression of plastid transgenes in plants based on a nuclear DNA-encoded and plastid-targeted T7 RNA polymerase: Proc. Natl. Acad. Sci. USA 91: 7301-7305. 1994	
24	LEWIN, in Genes V, pp 914-915. 1994	
25	JUNKER et al. "Reduction in replication of the human immunodeficiency virus type 1 in human T cell lines by polymerase III-drive transcription of chimeric tRNA-antisense RNA genes" Antisense Res. Dev. 4: 165-172. 1994	



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Application (Valide)		0007 0000
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Attorney Docket Number		Enz-53-D1

26	GRUBER et al. " Efficient tumor cell lysis mediated by a bispecific single chain antibody expressed in Escherichia coli" J. Immunol. 152: 5368-5372. 1994	
27	DE YOUNG et al. "Functional characterization of ribozymes expressed using U1 and T7 vectors for the intracellular cleavage of ANF mRNA" Biochemistry 33: 12127-12138. 1994	
28	CROOKE "Progress in evaluation of the potential of antisense therapy" Antisense Res. and Development 4: 145-146.	
29	COHLI et al., "Inhibition of HIV-1 multiplication in a human CD4 lymphocytic cell line expressing antisense and sense RNA molecules containing HIV-1 packaging signal and rev response elements(s)" Antisense Research and Development 4: 19-26. 1994	
30	CHANG et al. "Block of HIV-1 infection by a combination of antisense tat RNA and TAR decoys: a stategy for control of HIV-1" Gene Therapy 1: 208-216. 1994	
31	VLASSOV et al., "Penetration of oligonucleotides into mouse organism through mucosa and skin" FEBS Lett. 327: 271-274. 1993	
32	SCHWARTZ et al. "Construction of a retrotransposition indicator sequence using a neomycin resistance-encoding gene containing a functional intron" Gene 127: 233-236. 1993	
33	SANDIG et al. "A phage T7 class-III promoter functions as a polymerase II promoter in mammalian cells" Gene 131: 255-259. 1993	
34	PALSSON et al. "Expansion of human bone marrow progenitor cells in a high cell density continuous perfusion system" Biotechnology (NY) 11: 368-372. 1993	
35	LISZIEWICZ et al. "Inhibition of human immunodeficiency virus type 1 replication by regulated expression of a polymeric Tat activation response RNA decoy as a strategy for gene therapy in AIDS" Proc. Natl. Acad. Sci. USA 90: 8000-8004 1993	
36	LIEBER et al. "Stable high-level gene expression in mammalian cells by T7 phage RNA polymerase" Methods Enzymol. 217: 47-66 1993	



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First Named Inventor Rabba		ani
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Attorney Docket Number		Enz-53-D1

37	KOLLER et al. "Large-scale expansion of human stem and progenitor cells from bone marrow mononuclear cells in continuous perfusion cultures" Blood 82: 378-384. 1993	
38	KOLLER et al. "Expansion of primitive human hematopoietic progenitors in a perfusion bioreactor system with IL-3, IL-6, and stem cell factor" BioTechnology (NY) 11: 358-363. 1993	
39	HOLLIGER et al. ""Diabodies": small bivalent and bispecific antibody fragments" Proc. Natl. Acad. Sci. USA 90: 6444-6448. 1993	
40	FISCHER et al. "Nucleo-cytoplasmic transport of U snRNPs: definition of a nuclear location signal in the Sm core domain that binds a transport receptor independently of the m3G cap" EMBO J. 12: 573-583. 1993	
41	CRISTIANO et al. "Hepatic gene therapy: adenovirus enhancement of receptor-mediated gene delivery and expression in primary hepatocytes" Proc. Natl. Acad. Sci. USA 90: 2122-2126. 1993	
42	COX et al. "Effect of resistance on combination chemotherapy for human immunodeficiency virus infection" Adv. Enzyme Regul. 33: 27-36. 1993	
43	BALVAY et al. "Pre-mRNA secondary structure and the regulation of splicing" BioEssays 15: 165-169. 1993	
44	ALLAWAY et al. "Synergistic inhibition of HIV-1 envelope-mediated cell fusion by CD4-based molecules in combination with antibodies to gp120 or gp41" AIDS Res. Human Retroviruses 9: 581-587. 1993	
45	ZAIA et al., "Status of ribozyme and antisense-based developmental approaches for anti-HIV-1 therapy" Annals of the NY Acad Sci 660: 95-106. 1992	
46	WAGNER et al. "Influenza virus hemagglutinin HA-2 N-terminal fusogenic peptides augment gene transfer by transferrin-polylysine-DNA complexes: toward a synthetic virus-like gene-transfer vehicle" Proc. Natl. Acad. Sci. USA 89: 7934-7938. 1992	
47	WAGNER et al., "Coupling of adenovirus to transferring-polylysine/DNA complexes greatly enhances receptor-mediated gene delivery and expression of transfected genes" Proc. Natl. Acad. Sci. USA 89: 6099-6103. 1992	



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	48		II et al., "Activity of chimeric RNAs of U6 snRNA and (-) sTRSV in the cleavage of a substrate RNA" Nucleic Acids . 20: 2991-2996. 1992				
	49	TAKE	EDA et al. "Thermodynamics of Cro protein-DNA interactions" Proc. Natl. Acad. Sci USA 89: 8180-8184. 1992				
	50	1	IEL "Tat- and Rev-directed antisense RNA expression inhibits and abolishes replication of human deficiency virus type 1: a temporal analysis" J. Virol. 66: 5576-5581. 1992				
If you wis	sh to a	dd add	ditional non-patent literature document citation information please click the Add	button	<u>.                                    </u>		
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1	MUZYCZKA "Use of adeno-associated virus as a general transduction vector for mammalian cells" Curr Top Microbiol and Immunol 158: 97-129. 1992	
2	IZANT "Chimeric Antisense RNAs" in Gene Regulation: Biology of Antisense RNA and DNA pp 183-195. Raven Press, Ltd. New York 1992	
3	HUSSON et al. "Phase I study of continuous-infusion soluble CD4 as a single agent and in combination with oral dideoxyinosine therapy in children with symptomatic human immunodeficiency virus infection" J. Pediatrics 121: 627-633. 1992	
4	HARRISON et al. "Inhibition of human immunodeficiency virus-1 production resulting from transduction with a retrovirus containing an HIV-regulated diphtheria toxin A chain gene" Human Gene Therapy 3: 461-469. 1992	
5	FANGER et al. "Bispecific antibodies" Crit Rev Immunol 12: 101-124 .1992	
6	DUMONTET et al. "[Chemotherapy for human immunodeficiency virus infection. Current status and perspectives]" La Revue de Medecine Intern. 13: 460-464. 1992.	
7	CHEN et al. "Inhibition of HIV-1 replication by novel multitarget ribozymes" in Antisense Strategies, Annals NY Acad. Sci. 660: 271-273. 1992	
8	CHATTERJEE et al., "Dual-target inhibition of HIV-1 in vitro by means of an adeno-associated virus antisense vector" Science 258: 1485-1488. 1992	
9	BURKLY et al., "Inhibition of HIV infection by a novel CD4 domain 2-specific monoclonal antibody. Dissecting the basis for its inhibitory effect on HIV-induced cell fusion" J. Immunol. 149: 1779-1787. 1992	
10	SCZAKIEL et al., "Inhibition of human immunodeficiency virus type 1 replication in human T cells stably expressing antisense RNA" J. Virol 65: 468-472. 1991	
11	PILCH et al. "Expression of histone-U1 snRNA chimeric genes: U1 promoters are compatible with histone 3' end formation" Gene Expression 1: 41-53. 1991	



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Examiner Name J. Ar		ngell	
Attorney Docket Number		Enz-53-D1	

12	MCBURNEY et al., "The mouse Pgk-1 gene promoter contains an upstream activator sequence" Nucleic Acids Res. 19: 5755-5761. 1991	
13	LAURENCE et al. "Induction of chronic human immunodeficiency virus infection is blocked in vitro by a methylphosphonate oligodeoxynucleoside targeted to a U3 enhancer element" J. Virol. 65: 213-219. 1991	
14	JOSHI et al., "Inhibition of human immunodeficiency virus type 1 multiplication by antisense and sense RNA expression" J. Virol. 65: 5524-5530. 1991	
15	FARUQI et al., "Replication-defective missense mutations within the terminal protein and spacer/intron regions of the polymerase gene of human hepatitis B virus" Virology 183: 764-768. 1991	
16	DUBENDORFF et al., "Creation of a T7 autogene. Cloning and expression of the gene for bacteriophage T7 RNA polymerase under control of its cognate promoter" J. Mol. Biol. 219: 61-68. 1991	
17	CURIEL et al. "Adenovirus enhancement of transferrin-polylysine-mediated gene delivery" Proc. Natl. Acad. Sci. USA 88: 8850-8854. 1991	
18	ZIEVE et al. "Cell biology of the snRNP particles" Crit Rev Biochem Mol Biol 25: 1-46. 1990	
19	YAMASHITA et al. "Comparison of human lymphotoxin gene expression in CHO cells directed by genomic DNA or cDNA sequences" Agric. Biol. Chem. 54: 2801-2809. 1990	
20	SCZAKIEL et al., "Specific inhibition of human immunodeficiency virus type 1 replication by RNA transcribed in sense and antisense orientation from the 5'-leader/gag region" Biochem Biophys Res Commun 169: 643-651. 1990	
21	MAYEDA et al. "Beta-globin transcripts carrying a single intron with three adjacent nucleotides of 5' exon are efficiently spliced in vitro irrespective of intron position or surrounding exon sequences" Nucleic Acids Res. 18: 4671-4676. 1990	
22	KESSLER et al. "Detection of nucleic acids by enzyme-linked immuno-sorbent assay (ELISA) technique: An example for the development of a novel nonradioactive labeling and detection system with high sensitivity" in Advances in Mutagenic Research. Springer Verlag 1: 105-152. 1990	



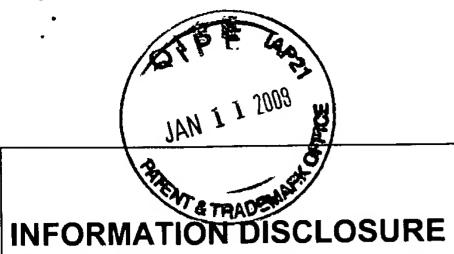
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Attorney Docket Numb	per	Enz-53-D1	

	23	HORTON et al. "Gene splicing by overlap extension: tailor-made genes using the polymerase chain reaction" BioTechniques 8: 528-535. 1990	
	24	FISCHER et al. "An essential signaling role for the m3G cap in the transport of U1 snRNP to the nucleus" Science 249: 786-790. 1990.	
	25	YUO et al. " A U1 small nuclear ribonucleoprotein particle with altered specificity induces alternative splicing of an adenovirus E1A mRNA precursor" Mol. Cell. Biol. 9: 3429-3437. 1989	
	26	YOSHIMATSU et al. "Control of gene expression by artificial introns in Saccharomyces cerevisiae"Science 244: 1346-1348. 1989	
	27	WU et al. "Targeting genes: delivery and persistent expression of a foreign gene driven by mammalian regulatory elements in vivo" J. Biol. Chem. 269: 16985-16987. 1989	
	28	VOS et al. "DNA interstrand cross-links promote chromosomal integration of a selected gene in human cells" Mol. Cell. Biol. 9: 2897-2905. 1989	
	29	NITTA et al. "Bispecific F (ab')2 monomer prepared with anti-CD3 and anti-tumor monoclonal antibodies is most potent in induction of cytolysis of human T cells" Eur. J. Immunol. 19: 1437-1441. 1989	
	30	LIEBER et al. "High level gene expression in mammalian cells by a nuclear T7-phase RNA polymerase" Nucleic Acids Res. 17: 8485-8493. 1989	
	31	HORTON et al. "Engineering hybrid genes without the use of restriction enzymes: gene splicing by overlap extension". Gene 77: 61-68. 1989	
	32	GATERMANN et al. "Introduction of functional artificial introns into the naturally intronless ura4 gene of Schizosaccharomyces pombe"Mol. Cell Biol. 9: 1526-1535. 1989	
	33	NEUMAN DE VEGVAR "Initiation and termination of human U1 RNA transcription requires the concerted action of multiple flanking elements"Nucleic Acids Res. 17: 9305-9318. 1989	
1	l		



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Examiner Name J. Ang		ngell
Attorney Docket Numb	er	Enz-53-D1

34	COTTEN et al., "Ribozyme mediated destruction of RNA in vivo" EMBO J 8: 3861-3866. 1989	
35	BEBENEK et al. "Specificity and mechanism of error-prone replication by human immunodeficiency virus-1 reverse transcriptase"J. Biol. Chem. 264: 16948-16956. 1989	
36	REFERENCE INTENTIONALLY OMITTED FROM THIS SPACE	
37	SAIKI et al. "Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase." Science 239: 487-491. 1988	
38	LEIBOLD et al. "Cytoplasmic protein binds in vitro to a highly conserved sequence in the 5' untranslated region of ferritin heavy- and light-subunit mRNAs" Proc. Natl. Acad. Sci. USA 85: 2171-2175. 1988	
39	IZANT et al. "Antisense inhibition of RNA splicing" in Current Communications in Molecular Biology, Cold Spring Harbor Laboratory pp 141-149. 1988	
40	DUNN et al. "Targeting bacteriophage T7 RNA polymerase to the mammalian cell nucleus" Gene 68: 259-266. 1988	
41	DAHLBERG et al. "The Genes and Transcription of the Major Small Nuclear RNAs" in Structure and Function of Major and Minor Small Nuclear Ribonucleoprotein Particles Birnstiel, ed. Springer Verlag, Heidelberg, pp 38-70. 1988	
42	COOK "Synthesis and hybridization of a series of biotinylated oligonucleotides" et al. Nucleic Acids Res. 16: 4077-4095. 1988	
43	LEAR et al. "Membrane binding and conformational properties of peptides representing the NH2 terminus of influenza HA-2" J. Biol. Chem. 262: 6500-6505. 1987	
44	KOTANI et al. "Nucleotide sequence and expression of the cloned gene of bacteriophage SP6 RNA polymerase" Nucleic Acids Res. 15: 2653-2664. 1987	



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	45	STAEF Proc. N	RZ et al. "Hybrid hybridoma producing a bispecific monoclonal antibody that can focus eff Natl. Acad. Sci. USA 83: 1453-1457. 1986	Z et al. "Hybrid hybridoma producing a bispecific monoclonal antibody that can focus effector T-cell activity" atl. Acad. Sci. USA 83: 1453-1457. 1986					
	46		RF et al. "Direct cloning and sequence analysis of enzymatically amplified genomic sequents." 1078. 1986	et al. "Direct cloning and sequence analysis of enzymatically amplified genomic sequences" Science 233: 78. 1986					
	47	OLD e	et al. "Principles of Gene Manipulation" Blackwell Scientific Publications, London, 1986	al. "Principles of Gene Manipulation" Blackwell Scientific Publications, London, 1986					
	48	MORF	RRIS et al. "Cloning and expression of the bacteriophage T3 RNA polymerase gene" Gene 41: 193-200. 1986						
	49	KOZA riboso	K "Point mutations define a sequence flanking the AUG initiator codon that modulates translation by eukaryotic mes" Cell 44: 283-292. 1986						
	50	JABL(	BLONSKI et al. "Preparation of oligodeoxynucleotide-alkaline phosphatase conjugates and their use as pridization probes" Nucleic Acids Res. 14: 6115-6128. 1986						
If you wis	⊥sh to a	dd add	ditional non-patent literature document citation information please click the Add b	utton					
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iling Date		1997-11-25
First Named Inventor	Rabba	ani
Art Unit		1635
Examiner Name	J. Ang	jell
Attorney Docket Numb	er	Enz-53-D1

1	FUERST, et al., "Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA poymerase: Proc. Natl. Acad. Sci. USA 83: 8122-8126. 1986	
2	ERITJA et al. "Synthesis and properties of oligonucleotides containing 2'-deoxynebularine and 2'-deoxyxanthosine" Nucleic Acids Res 14: 8135-8153. 1986	
3	DAVIS et al., "Basic Methods in Molecular Biology" Elsevier, NY 1986	
4	ARGOS et al. "The integrase family of site-specific recombinases: regional similarities and global diversity" EMBO J. 5: 433-440. 1986	
5	AGRAWAL et al. "Efficient methods for attaching non-radioactive labels to the 5' ends of synthetic oligodeoxyribonucleotides" Nucleic Acids Res. 14: 6227-6245. 1986	
6	SAIKI et al., "Enzymatic amplification of beta-globin genomic sequences and restriction site analysis for diagnosis of sickle cell anemia" Science 230: 1350-1354. 1985	
7	CHU et al. "In vitro expression of the intron-containing gene for T4 phage thymidylate synthase" J. Biol. Chem. 260: 10680-10688. 1985	
8	PERBAL, "A Practical Guide to Molecular Cloning" John Wiley & Sons, New York, 1984	
9	MELTON "Efficient in vitro synthesis of biologically active RNA and RNA hybridization probes from plasmids containing a bacteriophage SP6 promoter" et al. Nucleic Acids Res. 12: 7035-7056. 1984	
10	KALDERON et al., "A short amino acid sequence able to specify nuclear location." Cell 39: 499-509. 1984	
11	DAVANLOO et al. "Cloning and expression of the gene for bacteriophage T7 RNA polymerase" Proc. Natl. Acad. Sci. USA 81: 2035-2039. 1984	



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12	CHU et al. "Intervening sequence in the thymidylate synthase gene of bacteriophage T4" Proc. Natl. Acad. Sci. USA 81: 3049-3053. 1984	
13	TEEM et al., "Expression of a beta-galactosidase gene containing the ribosomal protein S1 intron is sensitive to the rna2 mutation of yeast" Proc. Natl. Acad. Sci. USA 80: 4403-4407. 1983	
14	DUNN et al., "Complete nucleotide sequence of bacteriophage T7 DNA and the locations of T7 genetic elements" J. Mol. Biol. 166: 477-535. 1983	
15	MOUNT "A catalogue of splice junction sequences" Nucleic Acids Res. 10: 459-472. 1982	
16	MANSER et al., Human U1 loci: genes for human U1 RNA have dramatically similar genomic environments" Cell: 29: 257-264. 1982	
17	MANIATIS et al. Molecular Cloning, A Laboratory Manual, Cold Spring Harbor Laboratory Press, 1982	
18	RUOSLAHTI et al. "Alignment of biologically active domains in the fibronectin molecule" J. Biol. Chem. 256: 7277-7281. 1981	
19	ANDERSON et al. "Structure of the cro repressor from bacteriophage lambda and its interaction with DNA" Nature 290: 754-758. 1981	
20	ROYCHOUDHURY et al. "Influence of nucleotide sequence adjacent to duplex DNA termini on 3' terminal labeling by terminal transferase " Nucleic Acids Res. 6: 1323-1333. 1979	
21	RIGBY et al. "Labeling deoxyribonucleic acid to high specific activity in vitro by nick translation with DNA polymerase I" J. Mol. Biol. 113: 237-251. 1977	
22	RAFESTIN et al. "Purification of N-acetyl D-glucosamine-binding proteins by affinity chromatography" FEBS Letters 40: 62-66. 1974	



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	23		STAVRIANOPOULOS et al. "Mechanism of DNA replication by highly purified DNA polymerase of chicken embryo" Proc. Natl. Acad. Sci. USA 69: 2609-2613. 1972						
	24	SOE	SOEIRO et al. "Competition hybridization by "pre-saturation" of HeLa cell DNA"J. Mol. Biol. 44: 551-562. 1969						
	25	Defin	Definitions for "compound", "polymer", "monomer" on 2005-10-19 from www.cancerweb.ncl.ac.uk						
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